

Recombinant Human KRT5 protein, His-tagged

Cat. No. KRT5-2708H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KRT5 protein(316-491 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	316-491 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	THVSDTSVVL SMDNNRNLDLDSIIAEVKAQYEEIANRSRTEAESWYQTKYEELQQTA GRHGDDL RNTKHEISEMNRMIQRLRAEIDNVKKQCANLQNAIADAEQRGELALKDA RNKLAELEEALQKAKQDMARLLREYQELMNTKLALDVEIATYRKLLEGEEECRLSGEG VGPNVI
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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Reconstitution	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.
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GENE INFORMATION

Gene Name	KRT5 keratin 5 [Homo sapiens]
Official Symbol	KRT5
Synonyms	KRT5; keratin 5; EBS2, epidermolysis bullosa simplex 2 Dowling Meara/Kobner/Weber Cockayne types , keratin 5 (epidermolysis bullosa simplex, Dowling Meara/Kobner/Weber Cockayne types); keratin, type II cytoskeletal 5; KRT5A; CK-5; cytokeratin-5; 58 kda cytokeratin; type-II keratin Kb5; epidermolysis bullosa simplex 2 Dowling-Meara/Kobner/Weber-Cockayne types; keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types); K5; CK5; DDD; EBS2;
Gene ID	3852
mRNA Refseq	NM_000424
Protein Refseq	NP_000415
MIM	148040
UniProt ID	P13647

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